

Gene Section

Short Communication

AF1q (ALL1 fused gene from chromosome 1q)

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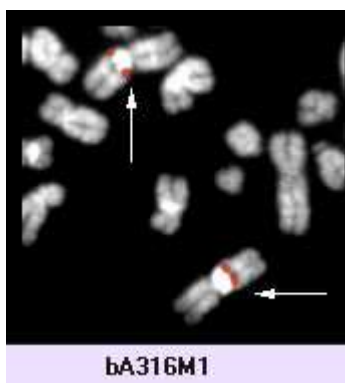
Online updated version: <http://AtlasGeneticsOncology.org/Genes/AF1q12.html>

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Identity

Location: 1q21



AF1q (1q21) - Courtesy Mariano Rocchi, Resources for Molecular Cytogenetics. Laboratories willing to validate the probes are welcome : contact rochi@biologia.uniba.it.

DNA/RNA

Transcription

1.8 kb mRNA; coding sequence CDS 401... 673.

Protein

Description

90 amino acids; 9 kDa.

Expression

Detected in various tissues (small intestine, colon, thymus mainly), but not in (normal) mature blood cells; expressed in all leukemic cell lines tested.

Function

Unknown.

Homology

No known homology.

Implicated in

t(1;11)(q21;q23)/ANLL → MLL/AF1q

Disease

ANLL.

Prognosis

Yet unknown.

Hybrid/Mutated Gene

Breakpoints: between exons 6 and 7 in MLL and within the 5' untranslated region in AF1q.

Abnormal Protein

N-term

- AT hook and DNA methyltransferase from MLL fused to the entire AF1q on the der(11); the reciprocal on der(1) is out of frame.

References

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